UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303-8960

January 25, 2018

(b)(6)
[redacted]

SUBJ: EPA Asbestos Removal at 218 Mock Road

Dear (b)(6) [redacted]:

Enclosed, you will find the Removal Action Status Report for the property located at 218 Mock Road in Davidson, North Carolina. The report summarizes information regarding the original asbestos sampling, a description of the Removal Action conducted on the property, a summary of multimedia sampling results, details on the restoration of the property and the timeframe of the Removal Action. We have also included a figure of the removal area and the air sampling locations, a table of the air sampling results and photographs of the removal activities.

The removal activities have been completed and there are no further actions needed on the above-mentioned property. If you have any questions or need further information, please do not hesitate to contact Jordan Garrard, US EPA, Federal On-Scene Coordinator directly at (678) 644-8648, via email: garrard.jordan@epa.gov or myself directly at (678) 575-8132, via email: miller.angela@epa.gov, at any time.

It was such a pleasure working with you and your community. Thank you for your cooperation and patience throughout the removal activities.

Sincerely,

Angela R. Miller, US EPA
Community Involvement Coordinator

Enclosure(s)

cc: Jordan Garrard, US EPA, Federal On-Scene Coordinator
Miguel Alvalle, NC DEQ

REMOVAL ACTION STATUS REPORT
DAVIDSON ASBESTOS

Property Address: 218 Mock Road, Davidson, Mecklenburg County, North Carolina

Original Asbestos Sampling Information: Surface soil samples were collected at a depth of 0 to 3 inches below ground surface (bgs) and subsurface soil samples were collected at a depth of 3 to 6 inches bgs. Analytical results are reported in increments of 0.25 percent asbestos. Those samples with analytical results reported as "trace" (less than 0.25 percent asbestos) were further analyzed by fluidized bed analysis and reported in soil concentrations of phase contrast microcopy equivalent (PCME) structures per gram (s/g).

Property Address	Area Sampled	Surface Soil Results (percent asbestos) 0-3 inches deep	Subsurface Soil Results (percent asbestos) 3-6 inches deep
218 Mock Road	Front Yard	0.0 s/g	191,542 s/g
	Back Yard	No Asbestos Detected	No Asbestos Detected

Description of Removal Action: The soil was excavated to an approximate maximum depth of 18 inches in the driveway (See Appendix 1). Visual inspections of the area excavated for asbestos-containing materials (ACM) were conducted by a State of North Carolina-accredited asbestos inspector and air monitor. Additional removal was conducted on the subsurface and along the sides of the excavated areas where ACM were still visibly present. Additional removal was conducted at the base of the carport where ACM was still visible. Once ACM was no longer visibly present in the other areas, restoration of the excavated area was allowed to commence.

Summary of Multimedia Sampling Results: Perimeter air sampling was conducted at one stationary location during removal activities on June 19, 2017. Air sampling was conducted daily at this location based on wind direction and removal activities. The analytical result were less than the limit of detection and was less than 0.00014 fibers per cubic centimeter (f/cc) (See Appendix 2). A 5-point composite soil sample was collected from the excavated area before restoration began and the analytical result detected trace chrysotile asbestos.

Perimeter air and composite soil samples were collected by a State of North Carolina-accredited air monitor with oversight from a State of North Carolina-accredited supervising air monitor (SAM).

Restoration of Property: Restoration work included installation of snow fencing on top of the subsurface of the excavated area and along the base of the carport, backfill, and rock in the driveway. The area was restored to the original height of the surrounding grade.

Time Frame of Removal Action: Removal activities began and were completed on June 19, 2017.

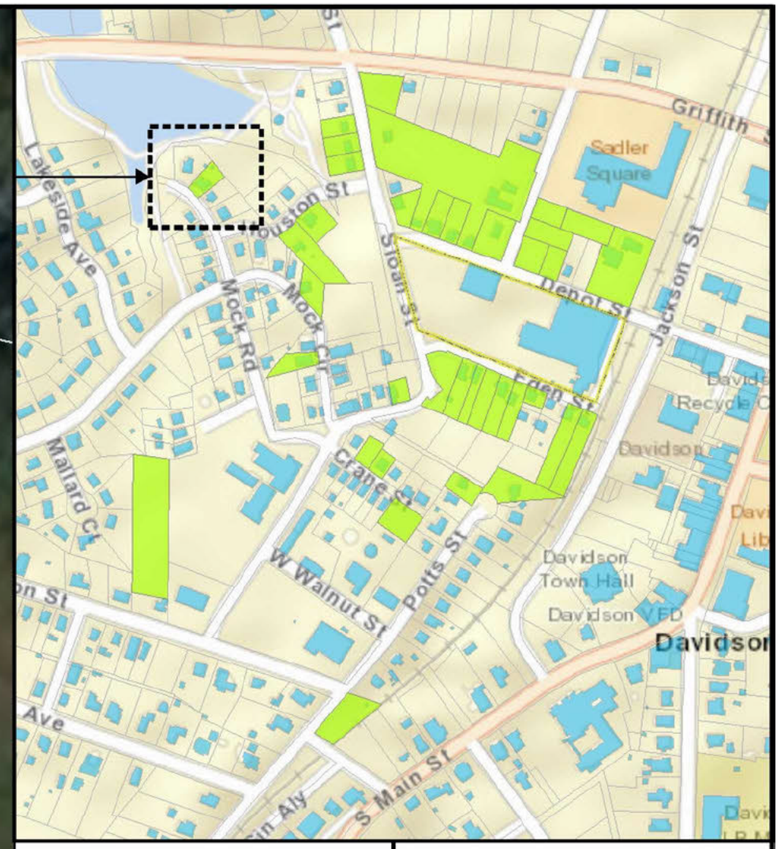
Appendices to this report include:

1. Figure of removal area and air sampling locations
2. Table of air sampling results
3. Photographic log of removal activities

APPENDIX 1

FIGURE

(One Page)



Legend

- Air Sample
- Removal Area
- Parcel Boundary

Inset Map

- *Parcels with Removal Activities*
- Building/Structure

218 Mock Road

N
W E
S

0 25 50
Feet

Map Sources:
Aerial Imagery, Bing Maps, 2012-2014;
Parcels, http://maps.co.mecklenburg.nc.us

United States Environmental Protection Agency Region 4

FIGURE 1

Removal Areas and
Air Sampling Locations

TDD Name: Davidson Asbestos

TDD No.: TT-01-071

City: Davidson **County:** Mecklenburg **State:** North Carolina

TETRA TECH

Date: 12/7/2017

Analyst: dale.vonbusch

File: C:\TT-01-071_Davidson_Asbestos\mxd\acm_working_mapbook_v4.mxd

APPENDIX 2

SUMMARY TABLE OF ANALYTICAL RESULTS

(One Page)

TABLE 1
TRANSMISSION ELECTRON MICROSCOPY RESULTS
DAVIDSON ASBESTOS
DAVIDSON, MECKLENBURG COUNTY, NORTH CAROLINA

Sample Id	Location	T	Pump No.	Time Start	Time Stop	Total (Min)	Pump Flow Rate (lpm)			Total Sample Volume (l)	PCM Results (f/cc)	Asbestos Fibers Detected	TEM Results in PCME (f/cc)
							Initial	Final	Average				
DA-218MR-AA-L01-061917	218 Mock Road - Location 1	AA	G5	8:09	13:47	338	11.51	11.36	11.44	3865.0	0.0007	0	<0.00014

Notes:

<: Less than
AA: Area air sampling
DA: Davidson Asbestos
f/cc: Fibers per cubic centimeter
Id: Identification
l: Liters
lpm: Liters per minute
Min: Minutes
MR: Mock Road
PCM: Phase contrast microscopy
PCME: Phase contrast microscopy equivalent
TEM: Transmission electron microscopy

APPENDIX 3

PHOTOGRAPHIC LOG

(5 Pages)

OFFICIAL PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	North	**Date:**	June 19, 2017
Photographer:	Paul Prys, Tetra Tech, Inc. (Tetra Tech)	**Witness:**	None

Subject: The Emergency and Rapid Response Services (ERRS) contractor, Environmental Restoration, LLC (ER), used an excavator and hand tools to remove asbestos-containing materials (ACM) and asbestos-contaminated soil from the property located at 218 Mock Road. ER used hoses to wet the asbestos-contaminated soil and placed plastic sheeting under the dump trucks to prevent asbestos-contaminated soil from falling onto the road during removal activities.

OFFICIAL PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Not applicable	**Date:**	June 19, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None

Subject: A Tetra Tech Superfund Technical Assessment and Response Team (START), State of North Carolina-accredited asbestos inspector and air monitor, visually inspected the excavated driveway area of 218 Mock Road for the presence of visible ACM. ER conducted additional removal of soil in the driveway area to a depth of 18 inches, but ACM was visible along the base of the carport of the excavation. Snow fencing was installed on the subsurface and along the sides of the excavated driveway area to identify the depth of the excavation and the presence of ACM.

OFFICIAL PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY

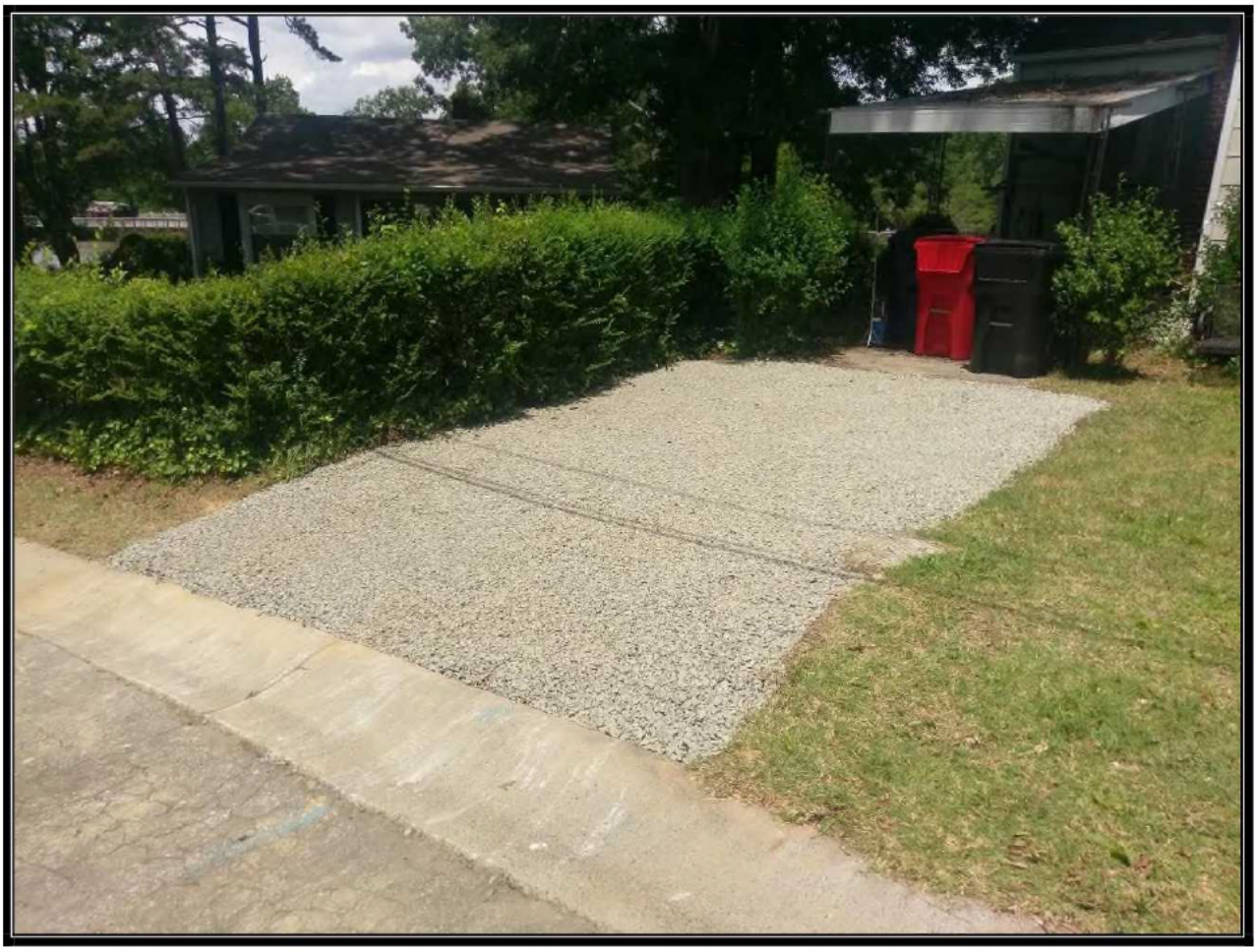
TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Northeast	**Date:**	June 19, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None

Subject: Perimeter air sampling was conducted by a Tetra Tech START, State of North Carolina-accredited air monitor, to evaluate the effectiveness of engineering and safety controls in preventing the off-site migration of asbestos fibers during removal activities.

OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Northeast	**Date:**	June 19, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None

Subject: ER installed snow fencing on the subsurface and along the base of the carport of the excavated driveway area to identify the depth of the excavation and the presence of ACM.



OFFICIAL PHOTOGRAPH NO. 5
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Northeast	**Date:**	June 19, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None
Subject:	ER installed rock in the excavated driveway after backfill was in place.		